PRF

SCHOOL SCIENCE AND MATHEMATICS

1948

INDEX BY TITLES

A

**	
	675
Accident Facts	638
Adam to Atom. Kenneth E. Anderson	340
	387
	632
Adminum Supply Made by Columbia River Hydro-Electric Power, Half America's American Council on Education's 1949 Teacher Examination Program, Announce-	638
ment of	508
	134
Ammeter, Check Your. JOSEPH A. MACK.	253
Analytic Geometry, The Development of RAYMOND A. KASSLER	201 508
	335
Approximate Numbers. Walter H. Carnahan	728
Asparagus Waste Used	610
Astronomy in High School Science, Making the Most of. R. WILLIAM SHAW	713
Atomic Age Smoke "Signals" Sent from Weather Tower	723
Atomic Energy Projects, The Scientific and Social Significance of the. CHARLES D.	102
	403 259
Aviation in Grade Six, A Unit in. Edward P. Powers	58
В	-
Biology Teaching Under State Supervision, The Effective Administration of High School. Part II. Commentaries on State Examination Questions Used in 1947.	Ш
CHARLES E. PACKARD.	91
	285 506
Blueprint of a Dream	500
	412
Advanced Mathematics for Engineers, Second Edition-Reddick, Miller. H. S.	82
POLLARD Adventures in Algebra, First Course—Leventhal, Salkind. W. K. McNabb	583
Adventures With Plastics—Newkirk, Hewitt, Zutter. Estil B. Van Dorn	497
A Handbook on Curves and Their Properties—Yates. CECIL B. READ	330
A Laboratory Manual of Vertebrate Embryology: Anatomy of Selected Embryos of the Frog, Chick and Pig, Second Edition—Adamstone, Shumway. Howard	
F. Wright	581
	332
A Modern Course in Trigonometry—Hooper, Griswold. Albert R. Mahin	668
Analytic Geometry—Nathan, Helmer, CECIL READ	413 251
	756
Animal Biology, Fourth Edition—Guyer, George S. Fichter.	671
An Introduction to Personal Hygiene—Chenoweth. Joseph P. McMenamin	414
A Philosophy of Mathematics—Kattsoff. CECIL B. READ	582
	162
Atlas of Outline Drawings for Vertebrate Anatomy-Eddy, Oliver, Turner.	F04
HOWARD F. WRIGHT. Bacteriology—A Textbook of Microorganisms, Fourth Edition—Tanner, Tanner.	581
George S. Fichter	584
Basic Biology—Fenton, Kambly, HILMER C. NELSON.	498
Basic Mathematics—Keller, Zant. GLEN W. WARNER	588
Biology Laboratory Notebook—Rudin, Greenleaf. GLEN W. WARNER	588
	251
	164
	413
Chemistry, A Course for High Schools, Second Edition—Hogg, Alley, Bickel.	595

H

ii

general Q 10. 1537

Chemistry at Work, Revised Edition—McPherson, Henderson, Fowler. Kenneth	
E. Anderson	669
Chemistry in Action—Rawlins, Stuble. Kenneth E. Anderson	670
Chemistry Made Easy—Masson. GLEN W. WARNER	161
College Algebra—Heineman. George E. Hawkins	753
College Algebra—Richardson, Cecil B. Read.	164
College Algebra—Simmons. CECIL B. READ College Physics, Third Edition—Eldridge. GLEN W. WARNER	501
College Physics, Third Edition—Eldridge. GLEN W. WARNER.	160
College Piysics, Fourth Edition-Foley. Revised by Glathart. GLEN W. WARNER	83
Concise Chemical and Technical Dictionary—Bennett, Kenneth E. Anderson.	414
Crow Rotating Electric Machine—Zitzman. GLEN W. WARNER	587
Davison's Mammalian Anatomy with Special Reference to the Cat, Seventh	
Edition. EDWARD C. COLIN	497
Directed Experiments in Biology-Robbins, Wayne. JOSEPH P. McMENAMIN	82
Elementary Arithmetic Its Meaning and Practice—Buckingham. ALBERT R.	
Mahin	499
Elementary Concepts of Mathematics—Jones. George E.!HAWKINS	674
Elementary Differential Equations, Third Edition—Kells, CECIL B. READ	501
Elements of Radio, Second Edition—Marcus, Marcus, Glen W. Warner	751
Energy Unlimited. The Electron and Atom in Everyday Life-Davis. GLEN W.	
Warner	499
Essentials of Strength of Materials—Pisani. Joseph D. Elder	417
Euclidean Geometry, Its Nature and Its Use-Blackhurst. W. K. McNabb	754
Experimental Physics—Krenerick. Estil B. Van Dorn	504
Geography in School and College-Whitaker, VILLA B. SMITH	752
Geometria Analitica—Medici, Cabrera. PHILIP A. CONSTANTINIDES	166
Getting a Job in Television—Southwell. SHELDON S. MYERS	165
Growth of Plants—Crocker, George B. Rigg	756
Guide to the Study of the Anatomy of the Shark, Necturus and the Cat, Second	
Edition, Eddy, Oliver, Turner. HOWARD F. WRIGHT	581
Health and Fitness—Meredith, H. Keith Cady	502
Heat—Worthing, Holliday, Philip A. Constantinides	753
Higher Algebra—Ferrar. Cecil B. Read Inorganic Chemical Nomenclature—McKinley. Glen W. Warner	673
Inorganic Chemical Nomenclature—McKinley. GLEN W. WARNER	587
Integration in Finite Terms—Ritt. CECIL B. READ	673
Intermediate Algebra—Britton, Snively. Forest Montgomery	674
	250
Intermediate Algebra—Underwood, Nelson, Selby. W. K. McNabb	754
Iroquois New Standard General Mathematics, Books One, Two, Three-Patton,	200
	583
Laboratory Chemistry—Price. GLEN W. WARNER	587
Lecture Experiments in Chemistry, Third Edition—Fowles. Kenneth E. Ander-	040
	248
	503
Manual of Astronometry, A Guide to Observation and Laboratory Interpretation	
in Elementary Astronomy, Third Edition—Shaw, Boothroyd. SHELDON S.	670
Myers Materials of Industry, Fourth Edition—Mersereau, Revised by Reen, Holderman.	670
Materials of Industry, Fourth Edition—Mersereau, Revised by Reen, Holderman.	248
	164
Mathematics as a Culture Citie and Other Essays Reysel. W. A. Michabb	500
Mathematics of Dusiness and Accounting—Tenzs, fills, Albert R. Mahin	
Mathematics of Business and Accounting—Tefftzs, Hills. ALBERT R. MAHIN Mathematics of Finance—Linker, Hill. W. K. McNABB Mechanical Drafting Essentials. Technical Sketching, Mechanical Drafting, Blue	755
Drint Deading Fornham Cress W Warsen	587
	582
	669
Musical Acoustics, Second Edition—Culver. Glen W. Warner.	83
My Big World, Based on Our Big World—Barrows, Parker, Sorenson. VILLA B.	00
Swith Swith Dased on Our Dig World Darlows, rather, Solenson. VILLA D.	331
	415
Nomography—Levens Cross R READ	502
Nomography—Levens. CECIL B. READ One Step Problem Patterns and Their Relation to Problem Solving—Sutherland.	J-04
W. K. McNabb.	249
	502

Our Neighbors at Home—Smith, Sorenson. VILLA B. SMITH	415
Our Old Lands—Barrows, Parker, Sorenson. VILLA B. SMITH	331
Physical Science Made Easy, Questions, Anwers and Definitions, Phillips Col-	
burn. Glen W. Warner.	587
Physics, A Basic Science, Second Edition—Burns, Verwiebe, Hazel. GLEN W.	
burn. GLEN W. WARNER. Physics, A Basic Science, Second Edition—Burns, Verwiebe, Hazel. GLEN W. WARNER.	667
raysics for students of science and Engineering—Michener, Joseph D. Elder.	417
Plants, A Guide to Hobbies—Zim, Joseph P. McMenamo	330
Precision Shop Mathematics—Edwards. Albert R. Mahin.	250
Raw Materials from the Sea-Armstrong, Miall. SHELDON S. MYERS	165
Relativity, the Special and General Theory—Einstein, Translated by Lawson,	
GLEN W. WARNER Riddles in Mathematics—Northrop. Le Roy J. SIMON	83
Riddles in Mathematics—Northrop. LE Roy J. Simon	585
Komping Through Mathematics—Anderson, W. K. McNabb	332
School Health Problems, Third Edition-Chenoweth, Selkirk. H. Keith Cady.	333
Science Through Experiment—Lake, Welton, Adell, GLEN W. WARNER	588
Secondary-School Science Teaching—Hoff, George G. Mallinson	415
Secondary-School Science Teaching—Hoff. George G. Mallinson. Semimicro Laboratory Exercises in High School Chemistry—Weisbruch. Glen W.	
Warner Sprouting Your Wings—Guild. Sheldon S. Myers	588
Sprouting Your Wings—Guild. Sheldon S. Myers	671
Starlings—Bronson, I. E. POTZGER	586
Sunspots in Action—Stetson, GLEN W. WARNER	328
Sunspots in Action—Stetson. GLEN W. WARNER. Surveying Instruments, Their History and Classroom Use—Kiely. JOSEPH D.	
ELDER	416
Take a Number—Lieber. LE ROY SIMON	586
Teachers' Guide and Textbook to Accompany Our Big World—Collins. VILLA B.	
Sмітн	
Television: How It Works-Rider. GLEN W. WARNER.	668
Television Primer of Production and Direction—Sposa. ESTIL B. VAN DORN	161
Television Simplified—Kiver. ESTIL B. VAN DORN. Textbook of Chemistry, Revised Edition—Elder, Scott, Kanda. Kenneth E.	496
1extbook of Chemistry, Revised Edition—Elder, Scott, Kanda. Kenneth E.	670
ANDERSON. Textbook of General Zoology, Fourth Edition—Curtis, Guthrie. EDWARD C.	670
Correspond to General Zoology, Fourth Edition—Curtis, Guthrie. Edward C.	498
COLIN. The Earth and Its Resources, Second Edition—Finch, Trewartha, Shearer. VILLA	490
R Switter	752
B. SMITH The Mathematical Theory of Finance, Revised Edition—Williams. J. RAY HANNA	134
and Cecil B. Read	163
The Naming of the Telescope—Rosen, Louis Panush	249
Theory of Functions, Revised Edition—Ritt. CECIL B. READ	329
The Poetry of Mathematics and Other Essays—Smith. PHILIP PEAK	167
The Status of the Beginning Calculus Students in Pre-Calculus College Mathe-	201
matics—Boeker, Cecil B. Read	672
matics—Boeker. Čecil B. Read The Story of Wool—Leggett. Estil B. Van Dorn	161
The Theory of Mathematical Machines—Murray, Cecil B. Read	329
The World: Its Lands and Peoples-Thralls, VILLA B. SMITH.	751
The World: Its Lands and Peoples—Thralls. VILLA B. SMITH Time, Knowledge and the Nebulae—Johnson. JOSEPH D. ELDER	500
Using Our Earth—Whipple, James. VILLA B. SMITH	503
Whom the Gods Love—Infeld, GLEN W. WARNER.	580
Workbook for Science on the March, Book One-Love, Clark. GLEN W. WARNER	588
Workbook in General Mathematics: Basic Course—Schorling, Clark, Lankford,	
GLEN W. WARNER.	588
Books and Pamphlets Received. GLEN W. WARNER 81, 247, 327, 411, 495, 579, 66	4,749
GLEN W. WARNER Books and Pamphlets Received. GLEN W. WARNER 81, 247, 327, 411, 495, 579, 66 Broadcast Operator's Handbook Out in January	46
Drucellosis Attacks Many Veterinarians	521
C	
	0.4
Camping as a Part of the School Program	84
Car, A New Ballistics	537
Central Association of Science and Mathematics Teachers Convention. J. E. Potzger	577
Central Association of Science and Mathematics Teachers—Report of the Chicago Meeting. Cecilia J. Lauby, Secretary	151
	156
Biology Section. R. H. Cooper, Secretary. Chemistry Section. Carl E. Ekblad, Secretary.	156
	E . 753

Elementary Science Section. VIOLA NEUMAN, Secretary	159		
Physics Section. J. Leo Walton, Secretary	516		
the. James R. Irving. Chemists—Addenda, Book-Length Biographies of. Thomas James Higgins Colors Visible to Naked Eye, New Estimate of. Columbia Basin Project The Otis W. Freeman, Katherine Burgess, Edith	129 438 168		
Columbia Basin Project, The. Otis W. Freeman, Katherine Burgess, Edith Campbell, Barbara Deffert. Complex Exponent, Elementary Derivation for. William R. Ransom	3 127 507		
Consumer and Mathematics, The. Myron F. Rosskopf. Conventional Plus Jet Power Feature New Navy Carrier-Based Plane. Convention at Indianapolis, The Annual Marie S. Wilcox.	281 620 590		
Convention Program, The Call of a Magnificent. J. E. POTZGER	505 589		
BURN Crystals Melted for Study, Microscopic	611 48		
D			
Demonstrations in High School Physics. R. C. Grubbs. Diffusion Demonstrations. Joseph A. Mack	199 592		
E			
Eastern Association of Physics Teachers. One Hundred Sixty-Seventh Meeting.			
ALBERT R. CLISH, Secretary. Summary of a Talk. Fletcher Watson. The Scientific and Social Significance of the Atomic Energy Projects. Charles D.	401 401		
CORYELL	403		
Ed.D. Degree at University of Utah, The	252 334		
Educational Conditions in the U.S.A Educational Extension Program of the Illinois State Geological Survey, The. GIL-BERT O. RAASCH.	139		
Education Iob. Biggest	20		
Education or Public Improvements?	80 363		
Education or Public Improvements? Elder to Be Science Editor at Harvard, Prof. J. D. Electromagnetic Theory of Light for Students of Chemistry. George Antonoff and Robert J. Conan, Jr.	597		
Elementary School Science Library for 1946-1947, The. PAUL E. KAMBLY	202		
Elementary Science in the Curriculum, The Place of. DOROTHY MILLER	379		
Equations in First Year Algebra, Teaching. ELBERT FULKERSON	705 605		
Exponent Concept, The Extension of the. ABRAHAM M. NIESSEN	003		
F			
Fellowships at Case	280		
Field Mapping Machine Charts Invisible Fields of Force	688		
Film Releases, Three New YAF. Films on Technical Lettering, New.	106		
Films, Three New	596		
Five Million Pictures a Second. Forestry Situation in the Lake States, The Present. R. N. Cunningham	33		
Forestry Situation in the Lake States, The Present. R. N. CUNNINGHAM Fossils Brought to U. S. National Museum Fifty-Million-Year-Old	365 432		
French Atomic Scientist Named to UNESCO Position	364		
C			
Colechurg Workshop The	420		
Galesburg Workshop, The. Gas Volumes and Chemical Reactions, Helping Students Visualize Relationships Between. ROBERT H. LONG.	428		
tween. ROBERT H. LONG	483		
General Science, Thinking Versus Doing in. Maitland P. Simmons	86		
Geography in Farwestern Institutions of Higher Learning. OTIS W. FREEMAN 6			

Geometric Concepts, Putting Meaning Into. John J. Kinsella and Walter H.	355
CARNAHAN	541
Geometric Illustrations in Teaching Algebra II. V. C. O'LEARY	686
Girls and Grades Continued. JOHN B. UNDERWOOD	732
Go West but Take It Easy	603
Grade Science and Its Application to Secondary School Science, Some Techniques	
in the Teaching of. O. J. Lu Pone and Edward Powers	724
Graphing of Single-Valued Functions in One Unknown, The. John N. Meighan	359
Gravitational Forces and the Pendulum. MARTIN H. PATRICK	39
Ground, Covering Old and New. M. M. LEIGHTON	34
H	
	100
Health Film, A New	182
Heat—New Unit of Air Age Physics Slidefilms	232
Heat Production in a Current-Carrying Wire. Fred W. Schueler. Horticulture for High Schools. John W. Ray	341 126
Hunter, George W. Glen W. WARNER	508
Hyperbola, An Application of the. ROBERT A. FERTIG.	536
Tryperbola, All Application of the Robert A. Perrio	330
I	
Ideal Gas Laws, The. George Antonoff and Duncan Randall	118
Index Cards in Arranging Course Material, The Use of. JAMES M. SANDERS and	
Muriel Beuschlein	636
Indianapolis, On to. J. E. POTZGER Ingram Awarded Research Fellowship, Dr. W. M.	364
Ingram Awarded Research Fellowship, Dr. W. M.	421
Ingram Receives Research Grant	33
ī	
Toponess Propositions and Philippine Proposition Avppy Cymerity	399
Japanese Preparations and Philippine Reconstruction. ALDEN CUTSHALL Junior High School Arithmetic, Developing Understanding in. MAXINE DUNFEE	734
	134
K	
King, Maurice E. Glen W. Warner	198
L	
	282
Laboratory Workshop in Science for Elementary and High School Teachers, Summer	373
Latitude Determination Without a Sextant. RONALD L. IVES	441
LeSourd, Homer W. Glen W. Warner. Light Transmitter and Receiver, A Modulated. H. R. McArthur.	420 741
Looking Forward	594
Lunar Atmosphere, The. Benjamin Bold	712
	114
M	
Making Big Ones Out of Little Ones	440
Map and Globe Needs for the Junior High School Level?, What Constitutes the	
Basic, Monica H. Kusch	219
Map and Globe Requirements for Teaching Geography in the Fifth and Sixth	PMA
Grades. Laura Louise Watkins	570
Map Clinic. HARRY LATHROP 1. Minimum Essentials in Maps and Globes in the Primary Grades. ISABEL K.	216
1. Minimum Essentials in Maps and Globes in the Frimary Grades. ISABEL A.	217
BILLINGS. 2. What Constitutes the Basic Map and Globe Needs for the Junior High School	211
Lavel Monitor H Kuscu	219
Level? Monica H. Kusch	217
Lichton	221
Map Equipment?, Minimum or Adequate Geography. O. E. GEPPERT	278
Map Essentials for the High School Geography Room, Minimum. ELIZABETH S.	
LICHTON	221
LICHTON Map Program Discussion. Dave E. Sites	276
Maps and Globes in the Primary Grades, Minimum Essentials in. ISABEL K. BIL-	
LINGS	217
Marks, More Thoughts About. Sol Whitman	268
Mars. John Sternig	122
Mathematical Bibliography	757
VIZINGUIZIUZI I OHUOSHIOH THE UHZIDIECIZIEG USEIHIDESS OF K L. ETIWADIS	-31

Mathematics Classroom, Notes from a. Joseph A. Nyberg	
WOLFINGER. Mathematics Education, Modern Trends in. W. D. REEVE	453
Mathematics Education, Modern Trends in. W. D. REEVE	21
Mathematics for Christmas. JOSEPH J. URBANCEK	678
Mathematics for the Other Eighty-Five Per Cent. WILLIAM A. GAGER	296
Mathematics Institute at Duke University, The. VERYL SCHULT	318
Mathematics Institute at Wisconsin University, A	418
Mathematics Institute for Teachers	452
Mathematics Instruction, Wanted: Better. ROBERT HUMBERT	534
Mathematics in the Shop, Chracteristics of W. H. EDWARDS	522
Mathematics The Criticism of Contain Aspects of High School C. P. Drup	107
Mathematics Texts, Criticism of Certain Aspects of High School. C. B. READ	225
Mathematics, The Psalm of. L. R. Posey	
Matter and Molecules. Measurement in Science. Kenneth E. Anderson.	138
Measurement in Science, Kenneth E. Anderson	429
Mechanics of the Automobile, Some Analytical. JULIUS SUMNER MILLER	689
Methods Courses in Modern Teacher Training, The Case for. G. D. McGrath	648
Mice to Men, From. Leonard S. Davenport	633
Microscopes, Develop New Series of 15. Mildew Preventing Chemical Locked Into Linens.	688
Mildew Preventing Chemical Locked Into Linens	696
Mil, The. Walter H. Carnahan. Motion Pictures for High School Science. George G. Mallinson and Waldemar C.	635
Motion Pictures for High School Science, GEORGE G. MALLINSON and WALDEMAR C.	
GJERDE	525
Museum Teaches A DONN RRAZIER	290
Museum Teaches, A. Donn Brazier. Mushrooms—to Eat or Not to Eat. J. Arthur Herrick.	679
musinoonis to Lat of Not to fat. J. Harrior Hearter.	017
N	
	215
National Council of Mathematics Teachers Meets at Indianapolis	215
National Council of Teachers of Mathematics, Ninth Conference of the	610
Nature and Conservation Programs in the Far East With Special Reference to Cali-	
fornia. Leo F. Hadsall	621
fornia. Leo F. Hadsall. New Year, A; A New Official Family; The Old Ideals. J. E. Potzger	85
Notebook, From a Tattered Old. James B. Davis	471
Nutrition, Unknown	750
0	
Oklahoma A and M College Receives New Diesel Engine Research Laboratory	478
Old Faithful. Clifford E. Lloyd	646
Oxygen Is Concentrated in Earth's Outer Shell	128
P	
	287
Pacific Industrial Conferences and Chemical Exposition, The. STANLEY W. MORSE.	376
Pet-Housing, Large Classroom. Leonard S. Davenport	49
Phanton Forests. J. E. POTZGER	509
Photocell Detects Carbon Monoxide.	57
Photography for Teachers at Rochester Institute of Technology, Summer Course in. Physics Problem Solving, Some Broader Educational Aspects of Sherwood C. Bain.	378
Physics Problem Solving, Some Broader Educational Aspects of SHERWOOD C. BAIN.	538
Plant Life and Human Living. SISTER MARY ELLEN O'HANLON	473
Plastics Laboratory, New	333
	658
Pressure Volume Relationship Demonstration A I A Kiper	604
Problem Department. G. H. Jamison	744
December of Consideration in Florence Colored H. Engrand December 20, 170, 171, 220, 100, 407, 372, 037,	295
Program of Specialization in Elementary Science. H. EMMETT BROWN. Projects in Science, Worth-While. O. J. WALRATH.	
Projects in Science, worth-while O. J. WALKATH.	422
Public Funds for Public Schools	358
0	
Quiz Section, The. JULIUS SUMNER MILLER	685
R	
	619
Radio for Schools, New GE Table Model	349
	591
Read, C. B., Replaces Christofferson. GLEN W. WARNER	198
Red Letter Days of 1948. J. E. POTZGER	419
Reeve Retires, Professor	540

References for High School Physics, Selected. G. P. Cahoon Rensselaer Extends Teacher Training Program Reply to E. Laurence Palmer, A. Yearbooks and Science Education. George Grei-	350
SEN MALLINSON and KENNETH F. ANDERSON	37- 693
Ribbonwriter	
S	
School Lighting Guide Issued by Federal Security Agency's Office of Education	482
Science, A Definition of	521
Science Emphasis During American Education Week, Lee R. Yothers	302 549
Science for All. Butler Laughlin.	169
Science Legislation: National Science Foundation Bills. Eleanor Johnson 143, 233,	312
Science, Some Ethical Impilcations of. A. C. Ivy.	200
Scientific Method in the Junior High School Teaching. H. G. McMullen	459
Scientific Method?, What Is. NORMAN LOWENSTEIN Scientists on Postage Stamps. C. W. HORTON	388
Sermonette, A. Homer W. LeSourd.	1
Slidefilms for Teaching Natural Science. Lyne S. Metcalfe.	722
Slidefilms—The Sky, New Science Adventures	20
Slow Learner, The Problem of the. LEON N. DIAMOND	551
Stanford, A New Department at	500
Star Maps for a Constellation Lantern. Sister M. Ignatia	655
O'LEARY	433
Study Outdoors, This Summer	289
Subject Matter and Educational Objectives. ISIDOR AUERBACH, ABRAM BADER and	
ALLEN A. REICH Supersonic Windtunnel Has Enclosed Airstream System, New	62
Supersonic winduliner rias Enclosed Airstream System, New	711
T	
Tapeworm as a Biological Example of a Mathematical Inversion, The. F. C. W.	FOR
OLSON Teaching the Carrot Root Correctly. JOSEPH P. McMENAMIN	595
Technical Bureau to be New Feature at National Chemical Exposition	521
Temper More Likely Cause for Accidents Than Low Intelligence, Bad	760
Thundering Waters—A New Movie	168
Tobacco with 10% Nicotine Patented	117
Tornado at New Orleans, The September. Julius Sumner Miller.	117
Training of Teachers in the Elementary Schools, A Plan for the In-Service. HERSCHEL	110
E. Grime.	517
	632
Tungsten Wire Is Invisible to Eye, Thin	42
· U	
Uranium Mineral Found in Belgian Congo, New	723
Utilizing the Earth. Chauncy D. Harris	177
V	
Van Slyke-Neill Manometric Technique to the Second Year College Chemistry	
	269
Variation in Algebra, Making Concrete Several Kinds of Sheldon S. Myers, James	620
	639
	174
W	000
	226
	469 354
	201
X	70.
	704
Y	
Yearbooks and Science Education. E. LAURENCE PALMER	183

INDEX BY AUTHORS

A	
ALLISON, SAMUEL K., University of Chicago, Chicago, Ill	259
	670
Anning, Norman, Ann Arbor, Mich	406
ANTONOFF, GEORGE, Fordham University, New York, N. Y	597
AUERBACH, ISIDOR, Lafayette High School, Brooklyn, N. Y	62
D	
B	
Bader, Abram, Midwood High School, Brooklyn, N. Y. Bailey, V. C., Evansville, Ind	02
BAILEY, V. C., EVANSVIIIE, INC	F20
Beberman, Max, Nome, Alaska	538
BEEMSTER, JOHN A., Epworth, Iowa.	242
BEUSCHLEIN, MURIEL, Parker Elementary School, Chicago, Ill	636
BILLINGS, ISABEL K., Hawthorne School, Oak Park, Ill.	217
BOLD, BENJAMIN, Boys High School, Brooklyn, N. Y	712
Brandt, Hugo, University of Maryland	149
Brazier, Donn, Milwaukee Public Museum, Milwaukee, Wis	290
Breslich, E. G., University of Chicago, Chicago, Ill	507
Brewer, George E. F., Marygrove College, Detroit, Mich.	269
Brown, H. Emmett, New York State College for Teachers, Buffalo, N. Y	295 745
Burgess, Katherine, Eastern Washington College of Education, Cheney, Wash	3
BYRNE, EDNA E., Miles Standish School, Cleveland, Ohio	226
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
С	
CADY, H. KEITH, Oak Park High School, Oak Park, Ill	502
Cahoon, G. P., Ohio State University, Columbus, Ohio.	350
CAMPBELL, EDITH, Eastern Washington College of Education, Cheney, Wash	3
CARNAHAN, WALTER H., 285 Columbus Ave., Boston, Mass	745
CHERNOFSKY, M. I., The City College of New York, N. Y. CHERRY, W. J., 2123 Oak Park Ave., Berwyn, Ill	
CLISH, ALBERT R., Belmont High School, Belmont, Mass.	401
COLIN. EDWARD C., Chicago Teachers College, Chicago, Ill. 497.	498
COLIN, EDWARD C., Chicago Teachers College, Chicago, Ill. 497, CONAN, JR., ROBERT J., Fordham University, New York, N. Y.	597
CONSTANTINIDES, PHILIP A., Chicago City College, Wilson Branch, Chicago, Ill. 166, COOPER, R. H., Ball State Teachers College, Muncie, Ind	753
COOPER, R. H., Ball State Teachers College, Muncie, Ind	156
Coryell, Charles D., Massachusetts Institute of Technology, Cambridge, Mass.	403
CUNNINGHAM, R. N., Lake States Forest Experiment Station, University Farm, St.	265
Paul, Minn CUTSHALL, ALDEN, University of Illinois, Navy Pier, Chicago, Ill	365 399
CUISHALL, ALDER, University of Ininois, Navy Fier, Cincago, In	377
D	
DAVENPORT, LEONARD S., State Teachers College, Cortland, N. Y	633
Davis, James B., Lower Merion Senior High School, Admore, Pa	471
DEFFERT, BARBARA, Eastern Washington College of Education, Cheney, Wash DIAMOND, LEON N., James Monroe High School, New York, N. Y	3
DIAMOND, LEON N., James Monroe High School, New York, N. Y	551
DUNFEE, MAXINE, Indiana University, Bloomington, Ind.	734
Dunn, O. L., Northfield, Minn	575
E	
EDWARDS, R. L., Miami University, Oxford, Ohio	51
EDWARDS, W. H., Redford High School, Detroit, Mich	522
EKBLAD, CARL E., Senior High School, Moline, Ill	156
ELDER, JOSEPH D., Harvard University Press, Cambridge, Mass	500
P	
FURTIC POPERT A Rurlingame High School Durlingame Calif	536
FERTIG, ROBERT A., Burlingame High School, Burlingame, Calif	671
Fichter, George S., Chapel Hill, N. C	746

FREEMAN, OTIS W., Eastern Washington College of Education, Cheney, Wash3, FRENCH, DOYLE T., Elkhart High School, Elkhart, Ind	697 250 705		
0			
GAGER, WILLIAM A., University of Florida, Gainesville, Fla	296 278		
GILLAND, ERNA GRASSMUCK, California, Pa			
H			
HADSALL, LEO F., Fresno State College, Fresno, Calif	621		
HANNA, J. RAY, University of Wichita, Wichita, Kan HARRIS, CHAUNCY D., University of Chicago, Chicago Ill.	163		
HARRIS, CHAUNCY D., University of Chicago, Chicago Ill.	177 572		
HARTIG, MARVIN E., Evansville College, Evansville, Ind HAWKINS, GEORGE E., Lyons Twp. High School and Junior College, La Grange, Ill. 674, HERDIGE T. APPLIER Kent State University Kent Obio.			
HERRICK, J. ARTHUR, Kent State University, Kent, Ohio	438		
HORTON, C. W., The University of Texas, Austin, Tex	445 534		
I			
IGNATIA, SISTER M., Marygrove College, Detroit, Mich	655		
IRVING, JAMES R., Maine Twp. High School, Des Plaines and Park Ridge, Ill	129		
IVES, RONALD L., Indiana University, Bloomington, Ind	206		
J			
Jacobson, William I., Brooklyn, N. Y Jamison, G. H., State Teachers College, Kirksville, Mo	79		
JOHNSON, ELEANOR, Purdue University, Lafayette, Ind	744 663 312		
Julian, Percy L., The Glidden Co., Chicago, Ill	302		
K			
KAMBLY, PAUL E., University of Oregon, School of Education, Eugene, Ore	202		
KASSLER, RAYMOND A., Forest Hills, N. Y. KINSELLA, JOHN J., Ohio State University, Columbus, Ohio	541		
KIRST, L. A., Senior High School, Orlando, Fla	604		
KORTAGE, ETHEL, University of Chicago, Laboratory School, Chicago, Ill	632		
Krenerick, H. Clyde, 3000 N. Maryland Ave., Milwaukee, Wis	219		
I.			
LATHROP, HARRY, Normal University, Normal, Ill	216		
LAUBY, CECILIA I., Thornton Twp. High School, Harvey, Ill.	151		
LAUGHLIN, BUTLER, Harper High School, Chicago, Ill	169		
LEAMY, LEONARD F., Worchester, Mass	34		
LESOURD, HOMER W., Harvard Graduate School of Education, Cambridge, Mass LICHTON, ELIZABETH S., Waller Senior High School, Chicago, Ill	221		
LLOYD, CLIFFORD E., Development Engineer, Pellissier, Ionas and Rivet, Inc.,	646		
LONG, ROBERT H., Green Mountain Junior College, Poultney, Vt	43		
Waldon, N. Y LONG, ROBERT H., Green Mountain Junior College, Poultney, Vt LOWENSTEIN, NORMAN, James Madison High School, Brooklyn, N. Y LU PONE, O. J., Ocean Avenue School, Northport, N. Y	388 724		
M			
MACK, JOSEPH A., McBride High School, St. Louis, Mo	592		
MACNEISH, A., Chicago, Ill	574		

MAHIN, ALBERT R., Broad Ripple High School, Indianapolis, Ind.
MALLINSON, GEORGE G., Western Michigan College of Education, Kalamazoo,
Mich
Chicago, Ill
MARKS, JAMES E., Western State High School, Kalamazoo, Mich
McGrath, G. D., University of Illinois, Urbana, Ill
McMenamin, Joseph P., Oak Park Twp. High School, Oak Park, Ill 47, 82, 330, 414
McMullen, H. G., Deerfield-Shields Twp. High School, Highland Park, Ill 459 McNabb, W. K., Hockaday Junior College, Dallas, Tex 164, 249, 332, 583, 754, 755
MEIGHAN, JOHN N., Bowling Green State University, Bowling Green, Ohio 359
MEIGHAN, JOHN N., Bowling Green State University, Bowling Green, Ohio
Miksa, Francis L., Aurora, Ill
MILLER, JULIUS SUMNER, Michigan College of Mining and Technology, Sault Ste.
Marie, Mich
MONTGOMERY, FOREST, Lyons Twp. High School, and Junior College, La Grange, Ill. 674, 756
Morse, Stanley W., San Francisco State College, San Francisco, Calif 376
Myers, Sheldon S., University School, Ohio State University, Columbus, Ohio.
NELSON, HILMER C., Chicago City Iunior College, Wilson Branch, Chicago, Ill 498
NELSON, HILMER C., Chicago City Junior College, Wilson Branch, Chicago, Ill 498 NEUMAN, VIOLA, Miles Standish School, Cleveland, Ohio
NIESSEN, ABRAHAM M., Chicago, Ill
NYBERG, JOSEPH A., Hyde Park High School, Chicago, Ill
0
OESTREICHER, MILTON D., Francis W. Parker School, Chicago, Ill
O'LEARY, AUSTIN J., The City College of New York, N. Y
O'LEARY, V. C., Jefferson High School, Lafayette, Ind
Olson, F. C. W., Ohio State University, Put-in Bay, Ohio. 595 O'Toole, Sheila, Marygrove College, Detroit, Mich. 269
P
PACKARD, CHARLES E., Alfred University, Alfred, N. Y
PALMER, E. LAURENCE, Cornell University, Ithaca, N. Y
Panush, Louis, Central High School, Detroit, Mich
Peak, Philip, University High School, Indiana University, Bloomington, Ind. 167, 251
Perisho, Clarence R., McCook, Neb
Posey, L. R., Southern University, Baton Rouge, La. 225
Potzger, I. E., Butler University, Indianapolis, Ind
85, 364, 419, 505, 509, 577, 586, 589, 594 POWERS, EDWARD P., Larkfield School, East Northport, N. Y
R
RAASCH, GILBERT O., Associate Geologist in Charge of Educational Extension, Uni-
versity of Illinois, Urbana, Ill
RANDALL, DUNCAN, Fordham University, New York, N. Y
RAY, JOHN W., The School District of the City of Erie, Pa
READ, CECIL B., University of Wichita, Wichita, Kan
REEVE, W. D., Teachers College, Columbia University, New York, N. Y
REICH, ALLEN A., Pershing Junior High School, Brooklyn, N. Y
REYNOLDS, JACK, Western State High School, Kalamazoo, Mich
RICHARD, WILLIAM A., Riverside, Ill
ROSSKOPF, MYRON F., John Burroughs School, Clayton, Mo

SANDERS, JAMES M., Chicago Teachers College, Chicago, Ill SCHNEIDER, HELEN, Oak School, LaGrange, Ill SCHUELER, FRED W., State University of Iowa, Iowa City, Iowa SCHULT, VERYL, Director of Mathematics, Divs. 1-9, Washington, D. C SHAW, R. WILLIAM, Director of Fuertes Observatory, Cornell University, Ithaca,	536 162 341 318
N. Y SIMMONS, MAITLAND P., Irvington High School, Irvington, N. Y	
Minn	276 675 752 469
T	
TRIGG, C. W., Los Angeles City College, Los Angeles, Calif	241
244, 325, 408, 490, 574, 660, 661,	748
Ū	
Urbancek, Joseph J., Chicago Teachers College, Chicago, Ill	678 732
V	
VAN DORN, ESTIL B., George Washington High School, Indianapolis, Ind	504
117	001
W	
	422 516 161
198, 247, 327, 328, 363, 411, 420, 495, 499, 508, 579, 580, 587, 588, 664, 667, 668, 749,	
WATKINS, LAURA LOUISE, Lincoln School, Cicero, Ill.	570
	401
WAYNE, ALAN, Flushing, Long Island, N. Y	492
	268 591
	78
	453
WOODBURN, JOHN H., Michigan State College, East Lansing, Mich	611 581
V	
Vogume I no D. Dohman High School Dohman N. I	549
YOTHERS, LEE R., Rahway High School, Rahway, N. J	243

